



16/7/01

Transmittal Note

SUPPLEMENT TO
ANNEX 5 — UNITS OF MEASUREMENT TO BE USED
IN AIR AND GROUND OPERATIONS

(Fourth Edition)

1. The attached Supplement supersedes all previous Supplements to Annex 5 and includes differences notified by Contracting States up to 16 July 2001 with respect to all amendments up to and including Amendment 16.
 2. This Supplement should be inserted at the end of Annex 5 (Fourth Edition). Additional differences received from Contracting States will be issued at intervals as amendments to this Supplement.
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SUPPLEMENT TO ANNEX 5 — FOURTH EDITION

**UNITS OF MEASUREMENT TO BE USED
IN AIR AND GROUND OPERATIONS**

Differences between the national regulations and practices of Contracting States and the corresponding International Standards and Recommended Practices contained in Annex 5, as notified to ICAO in accordance with Article 38 of the *Convention on International Civil Aviation* and the Council's resolution of 21 November 1950.

JULY 2001

RECORD OF AMENDMENTS

<i>No.</i>	<i>Date</i>	<i>Entered by</i>	<i>No.</i>	<i>Date</i>	<i>Entered by</i>

**AMENDMENTS TO ANNEX 5 ADOPTED OR APPROVED BY THE COUNCIL
SUBSEQUENT TO THE FOURTH EDITION ISSUED JULY 1979**

<i>No.</i>	<i>Date of adoption or approval</i>	<i>Date applicable</i>	<i>No.</i>	<i>Date of adoption or approval</i>	<i>Date applicable</i>
14	27/2/84	22/11/84			
15	24/11/86	19/11/87			
16	2/2/00	2/11/00			

1. Contracting States which have notified ICAO of differences

The Contracting States listed below have notified ICAO of differences which exist between their national regulations and practices and the International Standards and Recommended Practices of Annex 5 (Fourth Edition), up to and including Amendment 16, or have commented on implementation.

The page numbers shown for each State and the dates of publication of those pages correspond to the actual pages in this Supplement.

<i>State</i>	<i>Date of Notification</i>	<i>Pages in Supplement</i>	<i>Date of publication</i>
Canada	29/9/00	1	16/7/01
Italy	2/10/00	1	16/7/01
Norway	25/9/00	1	16/7/01
Slovakia	19/9/00	1	16/7/01
South Africa	17/7/00	1	16/7/01

2. Contracting States which have notified ICAO that no differences exist

<i>State</i>	<i>Date of Notification</i>	<i>State</i>	<i>Date of notification</i>
Argentina	31/8/00	Ireland	2/10/00
Bahrain	10/7/00	Jordan	13/6/00
Barbados	25/7/00	Latvia	22/8/00
Belgium	17/10/00	New Zealand	29/9/00
Chile	30/10/00	Portugal	22/9/00
China (Hong Kong SAR)	28/9/00	Romania	2/10/00
Cuba	30/8/00	Sri Lanka	10/8/00
Dominican Republic	15/8/00	Sweden	18/9/00
Egypt	12/7/00	United Arab Emirates	30/5/00
Eritrea	16/6/00	United Republic of Tanzania	7/6/00
Ethiopia	29/9/00	Uruguay	18/9/00
Germany	5/9/00		

3. Contracting States from which no information has been received

Afghanistan	Bosnia and Herzegovina	Costa Rica
Albania	Botswana	Côte d'Ivoire
Algeria	Brazil	Croatia
Andorra	Brunei Darussalam	Cyprus
Angola	Bulgaria	Czech Republic
Antigua and Barbuda	Burkina Faso	Democratic People's Republic of Korea
Armenia	Burundi	Democratic Republic of the Congo
Australia	Cambodia	Denmark
Austria	Cameroon	Djibouti
Azerbaijan	Cape Verde	Ecuador
Bahamas	Central African Republic	El Salvador
Bangladesh	Chad	Equatorial Guinea
Belarus	China	Estonia
Belize	Colombia	Fiji
Benin	Comoros	Finland
Bhutan	Congo	France
Bolivia	Cook Islands	

Gabon	Mali	Sao Tome and Principe
Gambia	Malta	Saudi Arabia
Georgia	Marshall Islands	Senegal
Ghana	Mauritania	Seychelles
Greece	Mauritius	Sierra Leone
Grenada	Mexico	Singapore
Guatemala	Micronesia (Federated States of)	Slovenia
Guinea	Monaco	Solomon Islands
Guinea-Bissau	Mongolia	Somalia
Guyana	Morocco	Spain
Haiti	Mozambique	Sudan
Honduras	Myanmar	Suriname
Hungary	Namibia	Swaziland
Iceland	Nauru	Switzerland
India	Nepal	Syrian Arab Republic
Indonesia	Netherlands	Tajikistan
Iran (Islamic Republic of)	Nicaragua	Thailand
Iraq	Niger	The former Yugoslav Republic of Macedonia
Israel	Nigeria	Togo
Jamaica	Oman	Tonga
Japan	Pakistan	Trinidad and Tobago
Kazakhstan	Palau	Tunisia
Kenya	Panama	Turkey
Kiribati	Papua New Guinea	Turkmenistan
Kuwait	Paraguay	Uganda
Kyrgyzstan	Peru	Ukraine
Lao People's Democratic Republic	Philippines	United Kingdom
Lebanon	Poland	United States
Lesotho	Qatar	Uzbekistan
Liberia	Republic of Korea	Vanuatu
Libyan Arab Jamahiriya	Republic of Moldova	Venezuela
Lithuania	Russian Federation	Viet Nam
Luxembourg	Rwanda	Yemen
Madagascar	Saint Lucia	Yugoslavia
Malawi	Saint Vincent and the Grenadines	Zambia
Malaysia	Samoa	Zimbabwe
Maldives	San Marino	

4. Paragraphs with respect to which differences have been notified

<i>Paragraph</i>	<i>Differences notified by</i>
3.3.2	Italy
3.3 (Table 3.4)	Canada Norway Slovakia South Africa
4.1 (Table 4.1)	Canada

Chapter 33.3
Table 3-4

<i>Ref. No.</i>	<i>Quantity</i>	<i>Unit used by Canada</i>
1.4	distance (short) ¹	ft
1.12	runway length ¹	ft
1.13	runway visual range	ft
1.16	visibility ²	statute miles and fractions of
1.18	wind direction for purposes of landing and take-off at aerodromes in northern domestic airspace only	degrees true
2.12	mass (weight) ³	kg (pound)
3.2	altimeter setting	inches of mercury

1. Short distances such as runway lengths shall be given in both feet and metres in aeronautical publications when there is an operational requirement to do so.
2. Except for aerodrome forecasts in TAF code disseminated for use outside the NAM region.
3. Weight of an aircraft is expressed in kilos and/or pounds.

Chapter 44.1
Table 4-1

We do not support the establishment of dates, for planning purposes, for termination of the use of knot, nautical mile or foot.

Chapter 3

3.3.2* Awaiting changes of technical operational standards.

* Recommended Practice

Chapter 3

3.3

Table 3-4

<i>Ref. No.</i>	<i>Quantity</i>	<i>Unit used by Norway</i>
1.1	altitude	ft
1.3	distance (long)	NM
1.5	elevation	ft
1.7	height	ft
4.1	airspeed	kt
4.15	vertical speed	ft/min
4.16	wind speed	kt

Chapter 3

3.3

Table 3-4

<i>Ref. No.</i>	<i>Quantity</i>	<i>Unit used by Slovakia</i>	
		Primary unit (symbol)	Non-SI alternative unit (symbol)
4.16	wind speed	m/s	kt, km/h

Chapter 3

3.3

Table 3-4

<i>Ref. No.</i>	<i>Quantity</i>	<i>Unit used by South Africa</i>
1.1	altitude	ft
1.3	distance (long)	NM (except when reporting visibility, when m are used)
1.5	elevation	ft
1.7	height	ft
4.1	airspeed	kt
4.7	ground speed	kt
4.15	vertical speed	ft/min
4.16	wind speed	kt